

<h2 style="margin: 0;">FEE TRANSMITTAL for FY 2001</h2> <p style="margin: 10px 0;">Patent fees are subject to annual revision.</p>		Complete if Known		
		Application Number	Unknown	
		Filing Date	Herewith	
		First Named Inventor	Ray Freuler et al.	
		Examiner Name	Unknown	
TOTAL AMOUNT OF PAYMENT	(\$)	395.00	Group Art Unit	Unknown
			Attorney Docket No.	LPD-009/POWRD-014B

JC971 U.S. PTO
 09/834156
 04/12/01

METHOD OF PAYMENT	FEE CALCULATION (continued)																																																																																																																				
<p>1. <input type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:</p> <p>Deposit Account Number _____</p> <p>Deposit Account Name _____</p> <p><input type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17 <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27</p> <p>2. <input checked="" type="checkbox"/> Payment Enclosed:</p> <p>x Check <input type="checkbox"/> Credit card <input type="checkbox"/> Money Order <input type="checkbox"/> Other</p>	<p>3. ADDITIONAL FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105 130</td><td>205 65</td><td>Surcharge - late filing fee or oath</td><td>_____</td></tr> <tr><td>127 50</td><td>227 25</td><td>Surcharge -late provisional filing fee or cover sheet</td><td>_____</td></tr> <tr><td>139 130</td><td>139 130</td><td>Non-English specification</td><td>_____</td></tr> <tr><td>147 2,520</td><td>147 2,520</td><td>For filing a request for ex parte reexamination</td><td>_____</td></tr> <tr><td>112 920*</td><td>112 920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>_____</td></tr> <tr><td>113 1,840*</td><td>113 1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>_____</td></tr> <tr><td>115 110</td><td>215 55</td><td>Extension for reply within first month</td><td>_____</td></tr> <tr><td>116 390</td><td>216 195</td><td>Extension for reply within second month</td><td>_____</td></tr> <tr><td>117 890</td><td>217 445</td><td>Extension for reply within third month</td><td>_____</td></tr> <tr><td>118 1,390</td><td>218 695</td><td>Extension for reply within fourth month</td><td>_____</td></tr> <tr><td>128 1,890</td><td>228 945</td><td>Extension for reply within fifty month</td><td>_____</td></tr> <tr><td>119 310</td><td>219 155</td><td>Notice of Appeal</td><td>_____</td></tr> <tr><td>120 310</td><td>220 155</td><td>Filing a brief in support of an appeal</td><td>_____</td></tr> <tr><td>121 270</td><td>221 135</td><td>Request for oral hearing</td><td>_____</td></tr> <tr><td>138 1,510</td><td>138 1,510</td><td>Petition to institute a public use proceeding</td><td>_____</td></tr> <tr><td>140 110</td><td>240 55</td><td>Petition to revive-unavoidable</td><td>_____</td></tr> <tr><td>141 1,240</td><td>241 620</td><td>Petition to revive-unintentional</td><td>_____</td></tr> <tr><td>142 1,240</td><td>242 620</td><td>Utility issue fee (or reissue)</td><td>_____</td></tr> <tr><td>143 440</td><td>243 220</td><td>Design issue fee</td><td>_____</td></tr> <tr><td>144 600</td><td>244 300</td><td>Plant issue fee</td><td>_____</td></tr> <tr><td>122 130</td><td>122 130</td><td>Petitions to the Commissioner</td><td>_____</td></tr> <tr><td>123 50</td><td>123 50</td><td>Petitions related to provisiona! applications</td><td>_____</td></tr> <tr><td>126 240</td><td>126 240</td><td>Submission of Information Disclosure Statement</td><td style="text-align: right;">40.00</td></tr> <tr><td>581 40</td><td>5 81 40</td><td>Recording each patent assignment per property (times number of properties)</td><td>_____</td></tr> <tr><td>146 710</td><td>246 355</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td>_____</td></tr> <tr><td>149 710</td><td>249 355</td><td>For each additional invention to be examined</td><td>_____</td></tr> <tr><td>179 710</td><td>279 355</td><td>Request for Continued Examination (RCE)</td><td>_____</td></tr> <tr><td>169 900</td><td>169 900</td><td>Request for expedited examination of a design application</td><td>_____</td></tr> </tbody> </table> <p>Other fee (specify) <u>Nonpublication Request;</u> <u>Return Receipt Postcard.</u></p> <p>* Reduced by Basic Filing Fee Paid SUBTOTAL (3) \$ 40.00</p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	105 130	205 65	Surcharge - late filing fee or oath	_____	127 50	227 25	Surcharge -late provisional filing fee or cover sheet	_____	139 130	139 130	Non-English specification	_____	147 2,520	147 2,520	For filing a request for ex parte reexamination	_____	112 920*	112 920*	Requesting publication of SIR prior to Examiner action	_____	113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	_____	115 110	215 55	Extension for reply within first month	_____	116 390	216 195	Extension for reply within second month	_____	117 890	217 445	Extension for reply within third month	_____	118 1,390	218 695	Extension for reply within fourth month	_____	128 1,890	228 945	Extension for reply within fifty month	_____	119 310	219 155	Notice of Appeal	_____	120 310	220 155	Filing a brief in support of an appeal	_____	121 270	221 135	Request for oral hearing	_____	138 1,510	138 1,510	Petition to institute a public use proceeding	_____	140 110	240 55	Petition to revive-unavoidable	_____	141 1,240	241 620	Petition to revive-unintentional	_____	142 1,240	242 620	Utility issue fee (or reissue)	_____	143 440	243 220	Design issue fee	_____	144 600	244 300	Plant issue fee	_____	122 130	122 130	Petitions to the Commissioner	_____	123 50	123 50	Petitions related to provisiona! applications	_____	126 240	126 240	Submission of Information Disclosure Statement	40.00	581 40	5 81 40	Recording each patent assignment per property (times number of properties)	_____	146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	_____	149 710	249 355	For each additional invention to be examined	_____	179 710	279 355	Request for Continued Examination (RCE)	_____	169 900	169 900	Request for expedited examination of a design application	_____
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																		
105 130	205 65	Surcharge - late filing fee or oath	_____																																																																																																																		
127 50	227 25	Surcharge -late provisional filing fee or cover sheet	_____																																																																																																																		
139 130	139 130	Non-English specification	_____																																																																																																																		
147 2,520	147 2,520	For filing a request for ex parte reexamination	_____																																																																																																																		
112 920*	112 920*	Requesting publication of SIR prior to Examiner action	_____																																																																																																																		
113 1,840*	113 1,840*	Requesting publication of SIR after Examiner action	_____																																																																																																																		
115 110	215 55	Extension for reply within first month	_____																																																																																																																		
116 390	216 195	Extension for reply within second month	_____																																																																																																																		
117 890	217 445	Extension for reply within third month	_____																																																																																																																		
118 1,390	218 695	Extension for reply within fourth month	_____																																																																																																																		
128 1,890	228 945	Extension for reply within fifty month	_____																																																																																																																		
119 310	219 155	Notice of Appeal	_____																																																																																																																		
120 310	220 155	Filing a brief in support of an appeal	_____																																																																																																																		
121 270	221 135	Request for oral hearing	_____																																																																																																																		
138 1,510	138 1,510	Petition to institute a public use proceeding	_____																																																																																																																		
140 110	240 55	Petition to revive-unavoidable	_____																																																																																																																		
141 1,240	241 620	Petition to revive-unintentional	_____																																																																																																																		
142 1,240	242 620	Utility issue fee (or reissue)	_____																																																																																																																		
143 440	243 220	Design issue fee	_____																																																																																																																		
144 600	244 300	Plant issue fee	_____																																																																																																																		
122 130	122 130	Petitions to the Commissioner	_____																																																																																																																		
123 50	123 50	Petitions related to provisiona! applications	_____																																																																																																																		
126 240	126 240	Submission of Information Disclosure Statement	40.00																																																																																																																		
581 40	5 81 40	Recording each patent assignment per property (times number of properties)	_____																																																																																																																		
146 710	246 355	Filing a submission after final rejection (37 CFR § 1.129(a))	_____																																																																																																																		
149 710	249 355	For each additional invention to be examined	_____																																																																																																																		
179 710	279 355	Request for Continued Examination (RCE)	_____																																																																																																																		
169 900	169 900	Request for expedited examination of a design application	_____																																																																																																																		
<p style="text-align: center;">FEE CALCULATION</p> <p>1. BASIC FILING FEE</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101 710</td><td>201 355</td><td>Utility Filing fee</td><td style="text-align: right;">355.00</td></tr> <tr><td>106 320</td><td>206 160</td><td>Design Filing fee</td><td>_____</td></tr> <tr><td>107 490</td><td>207 245</td><td>Plant Filing fee</td><td>_____</td></tr> <tr><td>108 710</td><td>208 355</td><td>Reissue Filing fee</td><td>_____</td></tr> <tr><td>114 150</td><td>214 75</td><td>Provisional Filing fee</td><td>_____</td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (1)</td><td style="text-align: right;">\$ 355.00</td></tr> </tbody> </table> <p>2. EXTRA CLAIM FEES</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>Total Claims _____ - 20** = _____ X _____ = _____</td> <td></td> <td></td> </tr> <tr> <td>Independent Claims _____ - 3 = _____ X _____ = _____</td> <td></td> <td></td> </tr> <tr> <td>Multiple Dependent _____</td> <td></td> <td></td> </tr> </tbody> </table> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Large Entity Fee Code (\$)</th> <th>Small Entity Fee Code (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>103 18</td><td>203 9</td><td>Claims in excess of 20</td><td>_____</td></tr> <tr><td>102 80</td><td>202 40</td><td>Independent claims in excess of 3</td><td>_____</td></tr> <tr><td>104 270</td><td>204 135</td><td></td><td>_____</td></tr> <tr><td>109 80</td><td>209 40</td><td></td><td>_____</td></tr> <tr><td>110 18</td><td>210 9</td><td></td><td>_____</td></tr> <tr><td colspan="3" style="text-align: right;">SUBTOTAL (2)</td><td style="text-align: right;">\$ 0</td></tr> </tbody> </table> <p>**or number previously paid, if greater; For Reissues, see above</p>	Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	101 710	201 355	Utility Filing fee	355.00	106 320	206 160	Design Filing fee	_____	107 490	207 245	Plant Filing fee	_____	108 710	208 355	Reissue Filing fee	_____	114 150	214 75	Provisional Filing fee	_____	SUBTOTAL (1)			\$ 355.00	Extra Claims	Fee from below	Fee Paid	Total Claims _____ - 20** = _____ X _____ = _____			Independent Claims _____ - 3 = _____ X _____ = _____			Multiple Dependent _____			Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid	103 18	203 9	Claims in excess of 20	_____	102 80	202 40	Independent claims in excess of 3	_____	104 270	204 135		_____	109 80	209 40		_____	110 18	210 9		_____	SUBTOTAL (2)			\$ 0																																																	
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																		
101 710	201 355	Utility Filing fee	355.00																																																																																																																		
106 320	206 160	Design Filing fee	_____																																																																																																																		
107 490	207 245	Plant Filing fee	_____																																																																																																																		
108 710	208 355	Reissue Filing fee	_____																																																																																																																		
114 150	214 75	Provisional Filing fee	_____																																																																																																																		
SUBTOTAL (1)			\$ 355.00																																																																																																																		
Extra Claims	Fee from below	Fee Paid																																																																																																																			
Total Claims _____ - 20** = _____ X _____ = _____																																																																																																																					
Independent Claims _____ - 3 = _____ X _____ = _____																																																																																																																					
Multiple Dependent _____																																																																																																																					
Large Entity Fee Code (\$)	Small Entity Fee Code (\$)	Fee Description	Fee Paid																																																																																																																		
103 18	203 9	Claims in excess of 20	_____																																																																																																																		
102 80	202 40	Independent claims in excess of 3	_____																																																																																																																		
104 270	204 135		_____																																																																																																																		
109 80	209 40		_____																																																																																																																		
110 18	210 9		_____																																																																																																																		
SUBTOTAL (2)			\$ 0																																																																																																																		

SUBMITTED BY:		Complete (if applicable)			
Name (Print/Type)	MATTHEW A. NEWBOLES	Registration No. (Attorney/Agent)	36,224	Telephone	(949) 855-1246
Signature				Date	4/12/01

04-13-01

PTO/SB/05 (08-00)

†

Please type a plus sign (+) inside this box → ☐

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office, U.S. DEPARTMENT OF COMMERCE

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.52(b))

Attorney Docket No.

LPD-009/POWRD-014B

First Inventor

Ray Freuler et al.

Title

PHASE CHANGE THERMAL INTERFACE COMPOSITION
HAVING INDUCED BONDING PROPERTY

Express Mail Label No.

EL820347621US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO:

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB17)
2. ☐ Applicant claims small entity status.
3. ☒ Specification (Total Pages 22)
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed) 37 CFR 3.73(b)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
 - Copies of IDS Citations
4. ☒ Drawing(s) (35 U.S.C. 113) (Total Sheets 2)
5. ☒ Oath or Declaration (Total Pages 3)
 - a. ☒ Newly executed (original or copy)
 - b. ☐ Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 17 completed)
 - i. ☐ DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or C-R in duplicate, large table or Computer Program (Appendix)
8. ☐ Nucleotide and/or Amino Acid Sequence Submission
See 37 CFR 1.27 (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. ☐ Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies
a computer program listing appendix

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)
(if foreign priority is claimed)
16. ☒ Other: Nonpublication Request Form

17. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☒ Continuation-in-part of prior application No.: 09/573,508

Prior application information: Examiner Unknown Group/Art Unit: Unknown

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

18. CORRESPONDENCE ADDRESS

Customer Number or Bar Code Label Insert Customer No. or Attach bar code label here or Customer address below

Name	MATTHEW A. NEWBOLES STETINA BRUNDA GARRED & BRUCKER				
Address	75 Enterprise, Suite 250				
City	Aliso Viejo	State	CA	Zip Code	92656
Country	USA				
Name (Print/Type)	MATTHEW A. NEWBOLES		Registration No. (Attorney/Agent)		36,224
Signature					Date: 4/12/01

† SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, D.C. 20231

04/12/01
jc962 U.S. PTO

jc971 U.S. PTO
09/834158

04/12/01

**NONPUBLICATION REQUEST
UNDER
35 U.S.C. 122(b)(2)(B)(i)**

First Named Inventor **Raymond G. Freuler**

Title **Phase Change Thermal Interface...**

Atty Docket Number **POWRD-014B**

I hereby certify that the invention disclosed in the attached application **has not and will not** be the subject of an application filed in another country, or under a multilateral agreement, that requires publication at eighteen months after filing.

I hereby request that the attached application not be published under 35 U.S.C. 122(b).

4/11/01
Date


Signature

RAYMOND G. FREULER

Typed or printed name

This request must be signed in compliance with 37 CFR 1.33(b) and submitted with the application **upon filing**.

Applicant may rescind this nonpublication request at any time. If applicant rescinds a request that an application not be published under 35 U.S.C. 122(b), the application will be scheduled for publication at eighteen months from the earliest claimed filing date for which a benefit is claimed.

If applicant subsequently files an application directed to the invention disclosed in the attached application in another country, or under a multilateral international agreement, that requires publication of applications eighteen months after filing, the applicant **must** notify the United States Patent and Trademark Office of such filing within forty-five (45) days after the date of the filing of such foreign or international application. **Failure to do so will result in abandonment of this application (35 U.S.C. 122(b)(2)(B)(iii)).**

CERTIFICATE OF MAILING
UNDER 37 CFR 1.8 OR 37 CFR 1.10

JC971 U.S. PRO
09/02/158
04/12/01

- ☐ I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:
- ☒ I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10, Express Mail No.EL820347621US on the date indicated below and is addressed to:

NEW BOX APP
ASSISTANT COMMISSIONER FOR PATENTS
WASHINGTON, D.C. 20231

on April 12, 2001
(Date)



Signature

MICHELLE SCHROEDER

Typed or printed name of person signing Certificate

Note: Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

1. Utility Patent Application Transmittal;
2. Fee Transmittal (in duplicate);
3. Application (22 pages);
4. Drawings (2 pages);
5. Declaration (3 pages);
6. Assignment with Cover Page (5 Pages);
7. Nonpublication Request Form (1 Page);
8. Check for \$395.00;
9. Certificate of Mailing; and
10. Return Receipt Postcard.